

CLAIMS

1. A wavelength-variable light outputting apparatus comprising:

5 a light source outputting light having a plurality of wavelengths;

a swinging first galvanometric scanner provided with spectroscopic means for spectrally dividing said light outputted from said light source;

10 a swinging second galvanometric scanner provided with a shielding or reflecting member adapted to block or reflect at least a part of light outputted from said spectroscopic means; and

15 an optical fiber disposed at a position where light outputted from said spectroscopic means can be made incident by way of said shielding or reflecting member.

2. A wavelength-variable light outputting apparatus according to claim 1, comprising:

20 storage means for storing respective swinging angles of said first and second galvanometric scanners and a relationship between wavelength and quantity of light outputted from said optical fiber in response to a combination of said swinging angles;

25 input means for inputting information concerning wavelength and quantity of light to be outputted from said optical fiber; and

control means for reading out said relationship from

said storage means according to said information fed into said input means and controlling said swinging angles of said first and second galvanometric scanners in response to said relationship.

- 5 3. A wavelength-variable light outputting apparatus according to claim 1, comprising control means for changing a wavelength of light outputted from said optical fiber by changing a swinging angle of said first galvanometric scanner and changing a swinging angle of said second
- 10 galvanometric scanner such that the quantity of said wavelength of light fed to said shielding or reflecting member in response to said swinging angle of said first galvanometric scanner and the ratio of incidence of light incident on said optical fiber in response to said swinging angle of said
- 15 second galvanometric scanner form a fixed product therebetween.